

## REMARKS

### A. GENERALY

Claims 1-11 remain in the Application. Claims 1-9 and 11 have been amended. No new matter has been added.

Concurrent with this response, Applicant has filed a request for continued examination.

### B. CLAIMS OBJECTIONS

Claims 1-11 have been objected to because of various informalities. Applicant submits that claims 1-11 as currently listed are in proper form and requests that the objection to these claims be withdrawn.

### C. CLAIMS REJECTIONS PURSUANT to 35 U.S.C. § 112(1)

Claims 1-11 have been rejected under 35 U.S.C. §112¶1 as failing to comply with the written description requirement. The Office Action asserts that the limitations in claim 1 and 8 that recite, “issuing a reservation request for memory space within a global buffer (FB) in said global memory (GM) to be exclusively reserved for processing data of the one of the plurality of modules,” is new matter and is not supported by the specification. Additionally, the Office Action asserts that the limitation, “issuing a path request for a dedicated communication path between the one of the plurality of modules and the global buffer” is not supported by the Specification.

Applicant respectfully submits that the limitations are fully supported by the Specification. As to the exclusive reservation of memory space, the Specification provides the following disclosure:

[0027] As mentioned above the memory managing unit MMU sends a request for a buffer in the global memory GM which should be reserved exclusively for the processing data from this module. This requests [sic] from the memory managing unit MMU is send [sic] to the resource managing unit RMU. The resource managing unit RMU is provided to manage the overall resources in the system. Additionally, the memory managing unit MMU requests for the provision of a

guaranteed data path between the module M and the global memory GM via the interconnect scheme IM. (Specification, ¶0027; emphasis added by underlining.)

As to the reservation of a dedicated path between the module and the buffer, the Specification provides the following disclosure:

[0012] According to an aspect of the invention, the memory managing unit MMU requests a communication path between the module M and said global memory GM to be reserved exclusively for this communication. In particular, the communication path is requested with the required properties for an uninterrupted access to the memory. Therefore, a communication path is guaranteed between the module and the global memory. (Specification, ¶0012; emphasis added by underlining.)

Applicant submits that this disclosure supports the recitation of a “dedicated” path in claims 1 and 8 (as currently listed).

Claim 11 has been rejected under 35 U.S.C. §112¶1 as failing to comply with the written description requirement. The Office Action asserts that the limitation, “wherein the MMU determines whether the LM provides sufficient memory space for the currently processed application by comparing the memory space in the LM to a predetermined value,” is new matter and is not supported by the specification. (Applicant respectfully points out that this limitation is recited in claim 10 and not in claim 11.)

As to the comparison of memory space to a predetermined value, the Specification provides the following disclosure:

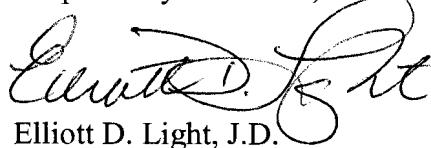
[0026] The shell S comprises a memory managing unit MMU and an addressed translation unit ATU. The memory managing unit MMU monitors the free memory space in the local memory LM and requests the allocation of a global buffer FB in the global memory GM as soon as the available memory space in the local memory LM is lower than a predetermined minimum value. The idea behind this is to outsource processing data from the application being run on the module M, for which there is not enough space in the local memory. The addressed translation unit ATU is then provided to translate the address used by the application run on the module M into addresses of the global address map corresponding to the global memory GM. (Specification, ¶0026; emphasis added by underlining.)

## D. CONCLUSION

Applicant respectfully submits that the claims as currently listed are in condition for allowance. Applicant requests that this response be entered and that the current

rejections of the claims now pending in this application be withdrawn in view of the above amendments, remarks and arguments.

Respectfully submitted,



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